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Abstract of the Disclosure

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A base station for a mobile communication apparatus and method transmits data to and receives data from an external mobile station. The base station includes a base station communication controller that processes data, including control data, to output a predetermined data frame. A base station interface receives a modulated uplink signal from the mobile station and transmits a modulated downlink signal to the mobile station. A base station source coder performs source coding of the data frame output from the base station communication controller. A base station modulator modulates the output data of the base station source coder according to a predetermined method and outputs modulated data to the base station interface. The base station modulator outputs a modulated signal for a predetermined time and then outputs only a carrier having a predetermined frequency until a response is received from the mobile station.
